

NDUFAF3 cDNA

Catalog Number: ATGD0275

PRODUCT INFORMATION

Catalog number

ATGD0275

Product type

cDNA

Species

Human

NCBI Accession No.

NP_951032.1

Alternative Names

2P1, C3orf60, E3-3

mRNA Refseq

NM_199069.1

OMIM

612911

Chromosome location

3p21.31

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

555bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

NDUFAF3 cDNA

Catalog Number: ATGD0275

NDUFAF3 encodes a mitochondrial complex I assembly protein that interacts with complex I subunits. Mutations in this gene cause mitochondrial complex I deficiency, a fatal neonatal disorder of the oxidative phosphorylation system. Alternatively spliced transcript variants encoding different isoforms have been identified.

DATA

Sequence nucleotides

```
ATGGCCACCGCTCTCGCGCTACGTAGCTTGTACCGAGCGCGACCCTCGCTGCGCTGTCCGCCGTTGAGCTTCCCTGGGCC
CCGCGGGGAGGGCATCGGCTCTCGCCGGCGGATGACGAGCTGTATCAGCGGACGCGCATCTCTCTGCTGCAACGCGAGG
CCGCTCAGGCAATGTACATCGACAGCTACAACAGCCGCGGCTTCATGATAAACGGAACCGCGTGCTCGGCCCTGCGCTC
TGCTCCCGCACTCGGTGGTGCAGTGGAACGTGGGATCCCACCAGGACATCACCGAAGACAGCTTTTCCCTCTTCTGTTGC
TGGAGCCCCGGATAGAGATCGTGGTGGTGGGGACTGGAGACCGGACCGAGAGGCTGCAGTCCCAGGTGCTTCAAGCCAT
GAGGCAGCGGGGCATTGCTGTGGAAGTGCAGGACACGCCCAATGCCTGTGCCACCTTCAACTTCCTGTGTCATGAAGGCC
GAGTAACTGGAGCTGCTCTCATCCCTCCACCAGGAGGGACTTCACTTACATCTTTGGGCCAAGCTGCTCAATGA
```

Transaction Sequence

```
MATALALRSL YRARPSLRCP PVLPWAPRR GHRLSPADDE LYQRTRISLL QREAAQAMYI DSYNRGMFI NGNRVLGPCA
LLPHSVVQWN VGSHQDITED SFSLFWLLEP RIEIVVGTG DRTERLQSQV LQAMRQRGIA VEVQDTPNAC ATFNFLCHEG
RVTGAALIPP PGGTSLTSLG QAAQ
```